



BIOMASS COMBUSTION SYSTEMS, INC.

67 Millbrook Street, Suite 505 Worcester, MA 01606

508-798-5970 Fax; 508-798-5971

www.Biomasscombustion.com

Wood Energy Markets

It all Starts with
Wood

- Political Barriers
- Market Barriers
- Perceptual Barrier

- Burning wood to create
industrial
BTUs

- Goal: Initiate conversation between people with wood and industries which could use it for BTU (and electric) production.

Demand for wood energy
locally driven

- Cost savings
- Environmental benefits
- Good for our Country

– Cost Comparison Wood vs. Gas (on a BTU Delivered Basis)

- **BTU CONTENT OF GAS**
- **Average** 100,000 Btu/ccf input
- **Times** .85 (efficiency of boiler)
- **Equals** 85,000 Btu/ccf output
- If delivered for \$1.00/ccf the cost is **\$11.76 per million Btu delivered**

- **BTU CONTENT Green OF WOOD FUEL**
- **Average** 8500 Btu/dry lb
- **Times** 65% since dry fuel is about 35% water
- **Equals** 5525 Btu/lbs input
- **Times** .68 (efficiency of the boiler)
- **Equals** 3757 Btu (actual output from pound of fuel)
- **So** one ton of dry fuel produces about 7.5 million Btu
- If delivered at \$25/ton cost is **\$3.33 per million Btu delivered**



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- Wood is \$3.33 per million BTU



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- Think Wood Energy
- Make Wood Residue Work for You
- No need to be so dependent on the rest of the world.